

## Resource Links

[Idaho Geospatial Office Imagery Framework](#)  
[subscribe to the GeoTech ListServe](#)  
[Idaho State University's GIS Center's Spatial Data Library](#)  
[INSIDE Idaho Geospatial Clearinghouse](#)  
[USDA/APFO/FSA NAIP Image Server](#)  
[NAIP Collection status maps](#)  
[Prices for Aerial Imagery and Related Products- APFO](#)

## NEXT MEETING FEBRUARY 3<sup>rd</sup>

### December 2, 2015 Meeting Highlights

- [Mike McGuire](#) of Ascent GIS and [Tammy Peterson](#) of Hexagon presented a brief summary of the Hexagon Imagery Program (HxIP)
  - 30cm/1 foot resolution for Wide Area Coverage (WAC)
  - 15cm/6 inch resolution for Urban Area Coverage (UAC) - areas of 50,000+ population
  - four band (R, G, B, and NIR)
  - data available as a service through Esri and OGC protocols on an annual subscription basis.
  - also an option to license the data through a hard delivery mechanism
  - planned refresh rate: 2 years for WAC and 12-18 months for UAC
  - Hard Copy (One Foot Resolution) too large to download = \$9.00 Per Square Mile
  - Valtus Online Store = \$4.50 per square kilometers (Canadian Dollar)
  - Streaming Services = \$2000 USD per concurrent user licenses.
  - Check Imagery TWG website for further information (including State Government Pricing info)
- Google Aerial Imagery Services as presented by [Keith Weber](#)
  - SICS is offering Google aerial imagery as a WMS service. This means the imagery is compatible with ArcGIS and with any/all OGC software (open geospatial consortium).
  - Based on Keith's communications with SICS, we can acquire a license to use this imagery for \$25,000 annually (true color) or \$48,000 annually for true color + NIR (to enable false color)
  - We need to determine what the limitations are with such an agreement (can it be used for our web maps? is it open to all users in Idaho? limited number of hits? etc).
  - Utah AGRC has a similar agreement in place
  - Next step is to have a discussion with Utah's AGRC - Bill Farnsworth (and a few other participants) will arrange meeting with Utah AGRC to discuss Utah's experience
  - Following that meeting, a teleconference with SICS and their Google imagery consultants may be in order
  - Other Imagery TWG participants received substantially different cost estimates (see second bullet above) possibly because of the multitude of purchase/licensing plans available which makes it difficult to determine exact costs and/or licensing restrictions
  - Imagery TWG will need to define the exact parameters (licensing, resolution, metadata, projections, etc) needed statewide to move forward in obtaining a cost estimate/quote
  - After meeting with Utah AGRC and Google imagery consultants, we report back at the January 6, 2016 Imagery TWG meeting.
- NAIP information presented by [Eric Buehler](#) (FSA) and [Bridget Barlow](#) (USDA FSA APFO)
  - 2015 Idaho NAIP is expected to be delivered to APFO by December 14, 2015 and made available to the public shortly thereafter (January, 2016?)
  - Idaho will be flown in 2017 (1-meter, 4 band, statewide)
  - The buy-up option (1/2 meter, 4 band, statewide) is expected to cost \$275,000
  - Buy-up funds from State Agencies due January 31 of the year NAIP is being flown
  - Buy-up signed agreement from Federal Agencies due January 31 of the year NAIP is being flown

- Higher resolution buy-up options (greater than ½ meter) require secondary contract directly with the NAIP vendor (rather than with APFO)
- Initial funding for ½ meter buy-up will be pursued by Rod Bacon (Pass Word, Inc.) et al, through a Pipeline and Hazardous Materials Safety Administration (PHMSA) State Damage Prevention (SDP) grant. Grant applications are due January 20, 2016 (for the 2017 Idaho NAIP collection). Grants are for a maximum of \$100,000.

### June 3, 2015 Meeting Highlights

- Presentation by Jerry Korol (USDA Natural Resources Conservation Service) on Wyoming's buy-up of stereo pairs and point cloud data. (link: [Wyoming Stereo Pair Buy-Up and Point Cloud Data](#))
- Funding is in place for Idaho's 2015 NAIP collection.
- Idaho collection scheduled for: June 10 - August 15 (weather permitting)

### March 4, 2015 Meeting Highlights

- Results/highlights from the NAIP services survey requested by [ISU's GIS TReC](#) and [INSIDE Idaho](#) are:
  - 96% use NAIP imagery in their work
  - 58% access NAIP imagery using web services, though the performance of the services are only considered "adequate" for the majority of users
  - 47% indicate NAIP imagery is "mission critical"
  - 50% indicate it is just as important today as it was 5 years ago.
- As a review, the various ways to access NAIP data (Layer file, KMZ, OGC, etc) and/or to add the GIS Servers in ArcGIS Desktop can be found at these pages:
  - [https://gis.northwestknowledge.net/arcgis/rest/services/aerial-imagery/ortho\\_2013\\_idaho/ImageServer](https://gis.northwestknowledge.net/arcgis/rest/services/aerial-imagery/ortho_2013_idaho/ImageServer)
  - [http://naip.giscenter.isu.edu/arcgis/rest/services/NAIP2013\\_ImageService/ImageServer](http://naip.giscenter.isu.edu/arcgis/rest/services/NAIP2013_ImageService/ImageServer)
  - [http://gis.apfo.usda.gov/arcgis/rest/services/NAIP/Idaho\\_2013\\_05m\\_NC/ImageServer](http://gis.apfo.usda.gov/arcgis/rest/services/NAIP/Idaho_2013_05m_NC/ImageServer)
  - Downloading of source rasters is enabled for the service at [gis.northwestknowledge.net](https://gis.northwestknowledge.net)
- USDA/APFO/FSA representatives David Davis and Bridget Barlow attended the Imagery TWG meeting via phone bridge. Below is the information they shared regarding the 2015 NAIP data collection for Idaho:
  - Collection: Statewide, 1.0 meter resolution, 4-bands
  - Vendor contracts to be evaluated March 16
  - NAIP is currently on a 2-year cycle (dependent on funding)
  - Idaho collection scheduled for: June 10 - August 15
  - DOQQs (4-band Geotiff format) estimated to be available beginning Sept 14
  - CCMs (3-band MrSID format) estimated to be available beginning Sept 29
  - [NAIP Collection status maps](#) will be available thru ArcGIS Online option (currently showing 2014 status but will be updated with 2015 data as it becomes available)
  - Data will be available for purchase directly through [APFO/USDA/FSA](#). Data is essentially free and APFO only charges for production costs. [GIO](#) plans to purchase disks/data.
  - APFO accepts [feedback](#) regarding the NAIP imagery. You may use the [NAIP Imagery Feedback map](#) or send an email to [NAIP.Problem.Tracking@slc.usda.gov](mailto:NAIP.Problem.Tracking@slc.usda.gov)
  - [USDA's Geospatial Data Gateway](#) will provide CCM data download